

CLAIMS

1. A method to allocate a reverse link within a band class, said reverse link
2 communicatively coupling a base station and a mobile station, comprising:
3 transmitting first information on a multi-carrier forward link comprising
4 multiple frequencies;
5 receiving said first information at said mobile station;
6 transmitting second information on said reverse link at one of said
7 multiple frequencies; and
8 receiving said second information at said base station.
2. The method in accordance with claim 1, wherein said multiple
2 frequencies support any combination of code channels.
3. The method in accordance with claim 2, wherein one of said code
2 channels on said forward link is used to communicate power control
information for said reverse link and a fundamental channel.
4. The method in accordance with claim 3, wherein a channel other than
2 said one of said code channels is used for a supplemental channel.
5. The method in accordance with claim 1, wherein said reverse link is
2 varied over said band class allocated to said mobile station.

6. The method in accordance with claim 5, wherein said multiple
2 frequencies consist of three frequencies.

7. The method in accordance with claim 6, wherein said multiple
2 frequencies are adjacent frequencies.

8. The method in accordance with claim 6, wherein said multiple
2 frequencies are adjacent frequencies separate from another frequency
supporting another type of channel, said another type of channel being different
4 than channels supported by said adjacent frequencies.

9. The method in accordance with claim 8, wherein said another type of
2 channel is a time-division-duplexing channel, and said channels are frequency-
division-duplexing channels.